

# Calvatis GmbH



**Dairy**  
Catalogue 2017



SIMPLY**GOOD**CHEMISTRY

# Your partner for...



## ...innovative hygiene management

Calvatis is one of the leading independent manufacturers of cleaning and disinfecting agents. This enables us to offer individual hygiene concepts to our customers. The calgonit product range by Calvatis has been successful in the global market for 75 years.

The main application is hygiene

- ✓ Consulting and hygiene management
- ✓ Beverage industry
- ✓ Food industry
- ✓ Dairy processing industry
- ✓ Agriculture
- ✓ Device and systems technology
- ✓ Water treatment
- ✓ Contract manufacturing

Calvatis has a mature product range and its calgonit product lines include more than 1000 different branded products. It can therefore offer an integrated hygiene concept in all areas.

Calvatis develops and produces at the Ladenburg site in Germany and also coordinates its global sales of products and services from this site.

The products and comprehensive service enable Calvatis to provide each customer with an optimal price/performance ratio and excellent quality.

Continuous new development of products and continuous striving for new markets leads to cooperation and synergy that ensures further improvements. Contracts with manufacturers of cleaning machines for industry and maintenance cleaning ensure a clear focus on practical issues that benefits both parties.

Calvatis is certified according to      ► DIN EN ISO 9001 and      ► DIN EN ISO 14001

Calvatis has specialised in the service sector, in addition to the production of cleaning and disinfection agents, in order to differentiate itself from its competitors.

High quality and environmental awareness are second nature, maintained as part of daily life and continuously adapted to the increasing requirements of the markets.

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## Alkaline cleaner

Product	Description	
<b>calgonit R flüssig</b>	calgonit R flüssig is a concentrated caustic detergent. The product doesn't foam, is easy to dose by conductivity and is suitable for circulation and spray cleaning of tanks, pasteurisers, pipe work, brew kettles, whirlpools and centrifuges as well as for crate washing. calgonit R flüssig can be used cold as well as hot. For enhancing cleaning performance calgonit R flüssig can be combined with Hypochlorite (calgonit AD 860).	canister 30 kg barrel 280 kg
<b>calgonit R flüssig spezial</b>	calgonit R flüssig spezial is a high caustic liquid detergent suitable for the food and beverage industry as well as the milk industry. It is stabilized for high water hardness and can easily be dosed by conductivity. Even if it is applied for spray cleaning the product doesn't foam. For enhancing cleaning performance calgonit R flüssig spezial can be combined with Hypochlorite. calgonit R flüssig spezial is suitable for cleaning of brew vessels, whirlpools, pasteurizers, tanks, containers, pipe work, centrifuges and crate washing.	canister 28 kg barrel 290 kg
<b>calgonit RT spezial</b>	calgonit RT spezial is a highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	canister 30 kg barrel 290 kg
<b>calgonit BR-F</b>	calgonit BR-F is a slightly foaming special alkaline detergent free of chlorine for butter making machines. Due to its special composition calgonit BR-F has a very good wetting ability together with a high power for removing fat and proteins. Sticking of butter is perfectly inhibited.	IBC 720 kg
<b>calgonit CN 353</b>	calgonit CN 353 is a liquid, alkaline detergent concentrate with active chlorine for use in the food and beverage industry. calgonit CN 353 does not foam and is suitable for soak, circulation and spray cleaning of tanks, pipes, mixing, storage and transport vessels as well as for cleaning of buttermaking machines and smoke sticks made of aluminium. calgonit CN 353 contains an effective inhibitor preventing the attack on aluminium, copper and brass.	canister 24 kg barrel 260 kg

## Acidic cleaner

Product	Description	
<b>calgonit jalu sauer plus</b>	calgonit jalu sauer plus is a liquid, strongly acidic detergent based on nitric acid. calgonit jalu sauer plus is a powerful descalant and has good wetting, cleaning and emulsifying properties due to special surfactants. Special inhibitors in the product prevent formation of nitrous gas and reduce corrosion attack on plastic gaskets. calgonit jalu sauer plus can be used cold and hot and is easily dosed by conductivity. The product is low foaming when used by spray and is easily rinsed off. calgonit jalu sauer plus is suitable for automatic cleaning of pasteurizers , tanks, milk collecting trucks, centrifuges and pipes.	canister 29 kg barrel 265 kg
<b>calgonit SMO</b>	calgonit SMO is a liquid, acidic single phase detergent based on organic acids and specific surfactants. The product does not contain phosphates or nitrates, is low foaming and can be dosed by means of conductivity. calgonit SMO shows an excellent cleaning effect on organic and inorganic soils , is re-useable and helps to ensure perfect hygienic conditions. calgonit SMO is especially suitable for automatic cleaning milk collecting vessels and raw milk tanks as well as for cheese mould cleaning.	barrel 230 kg
<b>calgonit SN 542</b>	calgonit SN 542 is an strongly acidic detergent. The product has excellent wetting abilities and is able to solve fat, protein as well as inorganic deposits. calgonit SN 542 is suitable for CIP cleaning of containers, tanks , pipe work and for spray application in crate washing machines. It is also suitable for manual cleaning of surfaces made of stainless steel. calgonit SN 542 is low foaming above 30°C, reusable and easily rinsed off.	canister 26 kg barrel 240 kg

## Additive

Product	Description	
<b>calgonit LZ flüssig</b>	calgonit LZ flüssig is a specialized additive developed for the milk industry to enhance the cleaning effect of caustic solutions and prevent disturbing foam. calgonit LZ flüssig can be used for automatic cleaning of tanks, containers and pipes as well as for bottling washing. calgonit LZ flüssig can be premixed with concentrated caustic in a storage tank according to the wanted ratio, can be used for all water conditions and effectively suppresses foam when used hot.	canister 21 kg barrel 210 kg
<b>calgonit LA flüssig</b>	calgonit LA flüssig is an additive based on special chelates and scale control agents. The product is miscible with concentrated caustic lye and can be used to improve cleaning and as scale preventive. calgonit LA flüssig is suitable for alkaline CIP-cleaning of tanks, pipes and kegs and is used in bottle washing as well.	canister 24 kg barrel 230 kg
<b>calgonit LAO</b>	calgonit LAO is a special additive based on active oxygen designed to be used in combination with caustic and acidic cleaning solutions. calgonit LAO is suitable for alkaline cleaning of heavily soiled cookers, whirlpools, heat exchangers and pipework encountered in food processing and beverage industry. calgonit LAO effectively stabilizes water hardness and suppresses disturbing foam. calgonit LAO also improves the detergency of acidic products, especially of nitric acid.	canister barrel

# Buttermaking machine



## Alkaline cleaner

Product	Description	
<b>calgonit 6010</b>	calgonit 6010 is a concentrated, alkaline, liquid product with active chlorine. The product does not foam and is suitable for circulation and spray cleaning of tanks, pipes, containers and crates. calgonit 6010 removes organic deposits like protein, fats, starch, milk- and beverage residues. The product can be dosed by conductivity and is easily rinsed off leaving the cleaned surfaces in excellent hygienic conditions.	canister 24 kg barrel 240 kg
<b>calgonit 6120</b>	calgonit 6120 is a foaming, alkaline all-purpose detergent with active chlorine designed. calgonit 6120 shows excellent wetting properties, efficient fat solving combined with good material compatibility. In addition, the presence of chlorine assists removal of tenacious soils leaving treated surfaces in an optimal hygienic condition. Due to its special combination calgonit 6120 is particularly suitable for circulation cleaning of butter making machines. It can also be used for manual application or immersion cleaning	barrel 250 kg

## Disinfection

Product	Description	
<b>calgonit sterizid forte 15*</b>	calgonit sterizid forte 15 is a liquid, acidic disinfectant based on hydrogen peroxide and peracetic acid. It effectively kills bacteria, yeasts and fungi even at low temperatures. calgonit sterizid forte 15 does not foam and is suitable for disinfection tasks. The product is suitable for general surface disinfection, for automatic sanitation of tanks, containers, pipes and equipment as well as for use in water stages of bottle washing machines. Furthermore the product can be used for intermediate disinfection of milking equipment, tube milking machines and for sanitation of animal sheds after cleaning.	canister 5 kg
		canister 10 kg
		canister 30 kg
		barrel 220 kg
<b>calgonit sporex*</b>	calgonit sporex is a liquid, slightly alkaline disinfectant with high content of active chlorine. calgonit sporex is suitable for disinfection of surfaces, tanks, containers, pipe work and hoses, for use in crate washers and warm water stages of bottle washing machines as well as for treatment of cutting boards.	canister 24 kg
		barrel 240 kg
<b>calgonit sporexalin*</b>	calgonit sporexalin is a liquid, oxidizing disinfectant based on hydrogen peroxide. The product does not foam and can be used cold and hot. calgonit sporexalin is suitable for many applications of immersion-, circulation- or spray disinfection of equipment, tanks, containers, pipework and utensils. calgonit sporexalin can also be used hot as an oxidizing additive to boost cleaning of caustic solutions.	canister 25 kg
		barrel 200 kg
<b>calgonit DS 622*</b>	calgonit DS 622 is a liquid alcoholic disinfectant especially for treating surfaces where hydrous solutions cannot be applied. calgonit DS 622 excels by fast killing of unwanted germs and is suitable especially for the (break) disinfection e.g. of cutting and packing machines as well as in the filling area. calgonit DS 622 is free from aldehyde and can also be used for manual quick disinfection of small surfaces, equipment, furnishing and sanitary equipment.	canister 5,2 kg
		canister 17 kg
		barrel 170 kg
<b>calgonit DS 629*</b>	calgonit DS 629 is a liquid acidic foam disinfectant based on peracetic acid and hydrogen peroxide. calgonit DS 629 forms a stable foam and is suitable for large-area disinfection of pre-cleaned equipment, machinery, walls and floors. Due to the very stable foam a prolonged contact time is achieved and thus results an outstanding effect also on vertical surfaces.	canister 24 kg
		barrel 200 kg

\*Use biocides safely. Always read the label and product information before use.



## Disinfection

Product	Description	
<b>calgonit DS 685*</b>	calgonit DS 685 is a surface active, mildly alkaline disinfectant based on microbiocidal alkylamines. The product has a broad spectrum of activity against gram-positive and gram-negative bacteria, yeasts, fungi and enveloped viruses. calgonit DS 685 is scarcely affected in its activity by protein, is good fat solving, nearly odourless and non corrosive. calgonit DS 685 is generally suitable for wipe, soak and spray disinfection of work surfaces, equipment, filling machines, walls and floors. calgonit DS 685 can be used for sole disinfection in basins of hygiene stations.	canister 20 kg barrel 210 kg
<b>calgonit DS 690*</b>	calgonit DS 690 is a highly effective sanitizer concentrate based on biocidal alkylamine salts combined with amphoteric surfactants. The product has a broad spectrum of activity against gram positive and gram negative bacteria, yeasts and fungi. calgonit DS 690 is scarcely affected in its activity by protein, is good fat solving, nearly odourless and non corrosive. calgonit DS 690 is generally suitable for wipe, spray and foam disinfection of work surfaces, equipment, filling machines, walls and floors.	canister 20 kg
<b>calgonit CD-L</b>	calgonit CD-L is a standardised solution of sodium chlorite to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	canister 25 kg barrel 200 kg
<b>calgonit CD-S</b>	calgonit CD-S is a standardised solution of hydrochloric acid to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	canister 25 kg barrel 210 kg

## Alkaline foam cleaner

Product	Description	
<b>calgonit CF 314*</b>	calgonit CF 314 is a concentrated, alkaline foam cleaner with active chlorine. It is suitable for cleaning of machines, appliances, containers, tiled walls and floors. calgonit CF 314 builds up a long clinging foam and has excellent cleaning properties. It effectively removes protein and fat as well as any other persistent, organic deposits. calgonit CF 314 can easily be rinsed off leaving the cleaned surfaces in excellent hygienic condition.	canister 24 kg barrel 230 kg

\*Use biocides safely. Always read the label and product information before use.

# Bottle washing machines

## Lye



### Additive

Product	Description	
<b>calgonit Schaumbremse/ SB neu</b>	calgonit Schaumbremse/SB neu a highly effective combination of surfactants for foam control of alkaline cleaning solutions. calgonit Schaumbremse/SB neu is used in automatic bottle wash and alkaline CIP cleaning applications and is effective above 40°C. calgonit Schaumbremse/SB neu reduces the surface tension, improves the cleaning and emulsification of lye solutions and is easily rinsed off.	canister 20 kg barrel 200 kg
<b>calgonit GL extra</b>	calgonit GL extra is a liquid, phosphate and nitrate free cleaning additive for highly alkaline cleaning solutions. The product is suitable as lye additive for CIP cleaning and particularly for automatic bottle washing. calgonit GL extra controls water hardness, increases bottle shine and effectively prevents disturbing foam in low concentrations when used hot.	canister 24 kg barrel 210 kg
<b>calgonit LA flüssig</b>	calgonit LA flüssig is an additiv based on special chelates and scale control agents. The product is miscible with concentrated caustic lye and can be used to improve cleaning and as scale preventive. calgonit LA flüssig is suitable for alkaline CIP-cleaning of tanks, pipes and kegs and is used in bottle washing as well.	canister 24 kg barrel 230 kg

# Bottle washing machines

## Water zone



### Acidic cleaner

Product	Description	
<b>calgonit A</b>	calgonit A is a phosphoric acid based detergent. The product shows good wetting and removes fat, protein and inorganic deposits like water scale. calgonit A is used for CIP cleaning of containers, tanks and pipe work as well as for spray application in crate washers. Manual use for cleaning of stainless steel surfaces is possible. calgonit A is low foaming above 30°C , reusable and easily rinsed off.	canister 30 kg barrel 280 kg

### Additive

Product	Description	
<b>calgonit AD 817</b>	calgonit AD 817 is an additive for alkaline cleaning processes to prevent hard water scale formation which can cause nozzle blockage. The product is stable against oxidizing agents and therefore especially suitable when used in combination with chlorine dioxide and peracetic based disinfectants. calgonit AD 817 is effective even in hard water and suitable for PET. In pasteurizers calgonit AD 817 prevents hardness deposits and protects cans from blackening.	canister 24 kg barrel 220 kg
<b>calgonit WST neu</b>	calgonit WST neu is a very efficient and economical additive for scale inhibition in rinse water sections of bottle washing machines. calgonit WST neu is suitable for hard water, high temperatures and high pH-values. Due to the stabilizing of water hardness no corrosion at high pH is observed on ordinary steel of the machines.	canister 24 kg barrel 260 kg

# Bottle washing machines

## Disinfection



### Disinfection

Product	Description	
<b>calgonit sterizid forte 15*</b>	calgonit sterizid forte 15 is a liquid, acidic disinfectant based on hydrogen peroxide and peracetic acid. It effectively kills bacteria, yeasts and fungi even at low temperatures. calgonit sterizid forte 15 does not foam and is suitable for disinfection tasks. The product is suitable for general surface disinfection, for automatic sanitation of tanks, containers, pipes and equipment as well as for use in water stages of bottle washing machines. Furthermore the product can be used for intermediate disinfection of milking equipment, tube milking machines and for sanitation of animal sheds after cleaning.	canister 5 kg
		canister 10 kg
		canister 30 kg
		barrel 220 kg
<b>calgonit sporex*</b>	calgonit sporex is a liquid, slightly alkaline disinfectant with high content of active chlorine. calgonit sporex is suitable for disinfection of surfaces, tanks, containers, pipe work and hoses, for use in crate washers and warm water stages of bottle washing machines as well as for treatment of cutting boards.	canister 24 kg
		barrel 240 kg
<b>calgonit CD-L*</b>	calgonit CD-L is a standardised solution of sodium chlorite to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	canister 25 kg
		barrel 200 kg
<b>calgonit CD-S*</b>	calgonit CD-S is a standardised solution of hydrochloric acid to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	canister 25 kg
		barrel 210 kg

\*Use biocides safely. Always read the label and product information before use.

# Bottle washing machines

## headroom disinfection



### Disinfection

Product	Description	
<b>calgonit sporexalin*</b>	calgonit sporexalin is a liquid, oxidizing disinfectant based on hydrogen peroxide. The product does not foam and can be used cold and hot. calgonit sporexalin is suitable for many applications of immersion-, circulation- or spray disinfection of equipment, tanks, containers, pipework and utensils. calgonit sporexalin can also be used hot as an oxidizing additive to boost cleaning of caustic solutions.	canister 25 kg barrel 200 kg
<b>calgonit DS 685*</b>	calgonit DS 685 is a surface active, mildly alkaline disinfectant based on microbiocidal alkylamines. The product has a broad spectrum of activity against gram-positive and gram-negative bacteria, yeasts, fungi and enveloped viruses. calgonit DS 685 is scarcely affected in its activity by protein, is good fat solvating, nearly odourless and non-corrosive. calgonit DS 685 is generally suitable for wipe, soak and spray disinfection of work surfaces, equipment, filling machines, walls and floors. calgonit DS 685 can be used for sole disinfection in basins of hygiene stations.	canister 20 kg barrel 210 kg

\*Use biocides safely. Always read the label and product information before use.

# Conveyor belts



## Conveyor belt lubricant

Product	Description	
<b>calgonit LU 5702</b>	calgonit LU 5702 is a silicone based lubricant for the application on stainless steel or plastic belt conveyor systems for use in the food industry. The product is especially designed for the transport of carton packages and plastic containers (e.g. PET, PC).	canister 20 kg barrel 200 kg
<b>calgonit Bandfit EE</b>	calgonit Bandfit EE is a concentrated chelate free product designed to lubricate transport chains for glass and plastic bottles (PET, PC), cans, boxes and cardboard products. calgonit Bandfit EE provides excellent lubricity and can be used with water of any hardness without formation of deposits. calgonit Bandfit EE is low foaming thus avoiding wrong measurements on control devices for bottles. Excellent cleaning performance ensures good hygienic conditions and leads to a noticeable reduction of times required for additional belt cleaning.	canister 22 kg barrel 200 kg

# Surface cleaning



## Alkaline cleaner

Product	Description	
<b>calgonit AF 108</b>	calgonit AF 108 is a mildly alkaline general purpose cleaner. The product is suitable for manual, foam or soak applications and effectively removes fat, oil and protein deposits. calgonit AF 108 contains organic chelates to bind water hardness and is non corrosive against most materials. Due to its special composition the product is easily rinsed off and does not form white deposits often found with silicated detergents.	canister 11 kg
		canister 22 kg
		barrel 200 kg
<b>calgonit CF 312*</b>	calgonit CF 312 is a concentrated liquid alkaline foam detergent-sanitizer with active chlorine. It is free of silicate and can be used in all areas to remove organic soil contaminants from all kinds of surfaces. calgonit CF 312 is hard water tolerant, builds up a stable foam, can easily be rinsed off and provides excellent hygienic conditions. calgonit CF 312 effectively removes protein and fat as well as any other persistent, organic deposits and is used for the cleaning of machines, containers, tiled walls and floors.	canister 24 kg
		barrel 235 kg
<b>calgonit CF 314*</b>	calgonit CF 314 is a concentrated, alkaline foam cleaner with active chlorine. It is suitable for cleaning of machines, appliances, containers, tiled walls and floors. calgonit CF 314 builds up a long clinging foam and has excellent cleaning properties. It effectively removes protein and fat as well as any other persistent, organic deposits. calgonit CF 314 can easily be rinsed off leaving the cleaned surfaces in excellent hygienic condition.	canister 24 kg
		barrel 230 kg
<b>calgonit CF 315</b>	calgonit CF 315 is a liquid alkaline foam detergent with active chlorine. The product is suitable for all degrees of water hardness and contains a special inhibitor allowing the use on aluminium and galvanized steel. calgonit CF 315 removes effectively fat and protein as well as any other persistent, organic deposits. It leaves the cleaned surfaces in excellent hygienic condition. calgonit CF 315 is normally applied for foam cleaning of machinery, tanks, tiled walls and floors. The product gives a stable foam and is easily rinsed off. For basic cleaning of heavily soiled parts or containers calgonit CF 315 could be used for immersion cleaning.	canister 24 kg
		barrel 230 kg

\*Use biocides safely. Always read the label and product information before use.

# Surface cleaning



## Alkaline foam cleaner

Product	Description	
<b>calgonit NF 400</b>	calgonit NF 400 is an optimised, liquid foam detergent with high caustic content. The product develops a stable foam with good cling and rapid soil penetration. calgonit NF 400 is suitable to remove especially stubborn and carbonised soils like tar, burned grease, starch and protein and therefore is preferably used for smoke house cleaning.	canister 24 kg barrel 260 kg
<b>calgonit NF 406</b>	calgonit NF 406 is a liquid alkaline foam detergent with excellent cleaning performance. The product generates a stable foam and is especially suitable to remove fat, oil, protein and other organic soils. calgonit NF 406 is applied for cleaning of machinery, tanks, tiled walls and floors, controls water hardness and is easily rinsed off.	canister 24 kg barrel 220 kg
<b>calgonit NF 422</b>	calgonit NF 422 is a highly active alkaline foam cleaner for difficult cleaning tasks. The product forms a stable, long clinging foam and is suitable for cleaning of machinery, conveyors, filling plants, walls and floors. calgonit NF 422 is particularly useful where fat, oil and protein soiling is encountered.	canister 24 kg barrel 235 kg
<b>calgonit AF 106</b>	calgonit AF 106 ist ein mildalkalischer Allzweckreiniger. Das Produkt eignet sich zur Anwendung als Schaumreiniger sowie zur manuellen Reinigung und entfernt wirkungsvoll Fette, Öle und proteinhaltige Ablagerungen. calgonit AF 106 ist sehr gut materialverträglich, schäumt und lässt sich leicht abspülen.	canister 22 kg



## Acidic foam cleaner

Product	Description	
<b>calgonit SF 504</b>	calgonit SF 504 is an ideal multi purpose, strong acidic foam cleaner. An optimized combination of powerful surfactants with mineral acids and emulsifying agents makes the product very effective for the removal of tenacious deposits of protein, grease and hard water scale. calgonit SF 504 is easy to remove from surfaces and leaves a shiny surface after rinsing.	canister 24 kg barrel 240 kg
<b>calgonit SF 506</b>	calgonit SF 506 is an ideal multi purpose, acidic cleaner based on phosphoric acid. calgonit SF 506 can be used for manual, foam or soak applications. An optimized combination of powerful surfactants with acids makes the product very effective for removal of tenacious soils like rust. The special inhibitors in calgonit SF 506 essentially reduce attack when used on aluminium and galvanized steel. calgonit SF 506 is suitable for cleaning of cookers and bacon moulds as well as for general cleaning. Tenacious deposits of protein and blood, rust and other soils are removed effectively.	canister 24 kg barrel 220 kg
<b>calgonit SF 522</b>	calgonit SF 522 is an acid, phosphate-free foam cleaner. Due to a special surfactant composition, the product produces a very stable, long cling foam and removes even tenacious soils like lime scale, rust and protein as well as residual alkalinity. calgonit SF 522 produces hygienic clean and sparkling surfaces.	canister 12 kg canister 24 kg barrel 220 kg
<b>calgonit SF 5501</b>	calgonit SF 5501 is a phosphorus free, low corrosive, acidic cleaner used for removal of lime scale residues of alkalinity and light organic soiling. calgonit SF 5501 produces a stable foam and is suitable for cleaning of machinery, work surfaces, containers, tiled floors and walls. calgonit SF 5501 is normally applied as foam, but can also be used manually.	canister 22 kg barrel 200 kg

# Surface cleaning



## Additive

Product	Description	
<b>calgonit AR</b>	calgonit AR is a neutral , phosphate free, highly concentrated all purpose cleaner. The product does not contain perfumes, is high foaming and compatible with all materials normally used. calgonit AR has excellent fat solving capability and is suitable for manual cleaning of floors, tiles, walls and devices made of metal, wood or plastics.	canister 20 kg barrel 200 kg
<b>calgonit HDN</b>	calgonit HDN is a mildly alkaline, foaming, liquid product effectively removing heavy fat, oil and resinified soilings. It is compatible with most materials normally used and primarily designed for cleaning motor vehicles, engines, engine parts and awnings. calgonit HDN is also used for cleaning of surfaces.	canister 10,1 kg canister 21 kg barrel 220 kg
<b>calgonit LPR</b>	calgonit LPR is a moderate foaming, mildly alkaline product, for the cleaning of alkali compatible surfaces. calgonit LPR is suitable for manual use and further more works excellently in spray- as well as high-pressure systems to clean milk tankers and canvas covers of trucks. Foamizing is possible with proper equipment. calgonit LPR can also be used as floor cleaner either manually or by machine to remove heaviest dirt deposits.	canister 11 kg canister 24 kg barrel 200 kg

## Alkaline cleaner

Product	Description	
<b>calgonit R flüssig</b>	calgonit R flüssig is a concentrated caustic detergent. The product doesn't foam, is easy to dose by conductivity and is suitable for circulation and spray cleaning of tanks, pasteurisers, pipe work, brew kettles, whirlpools and centrifuges as well as for crate washing. calgonit R flüssig can be used cold as well as hot. For enhancing cleaning performance calgonit R flüssig can be combined with Hypochlorite (calgonit AD 860).	canister 30 kg barrel 280 kg
<b>calgonit R flüssig spezial</b>	calgonit R flüssig spezial is a high caustic liquid detergent suitable for the food and beverage industry as well as the milk industry. It is stabilized for high water hardness and can easily be dosed by conductivity. Even if it is applied for spray cleaning the product doesn't foam. For enhancing cleaning performance calgonit R flüssig spezial can be combined with Hypochlorite. calgonit R flüssig spezial is suitable for cleaning of brew vessels, whirlpools, pasteurizers, tanks, containers, pipe work, centrifuges and crate washing.	canister 28 kg barrel 290 kg
<b>calgonit RT spezial</b>	calgonit RT spezial is a highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	canister 30 kg barrel 290 kg

## Additive

Product	Description	
<b>calgonit LZ flüssig</b>	calgonit LZ flüssig is a specialized additive developed for the milk industry to enhance the cleaning effect of caustic solutions and prevent disturbing foam. calgonit LZ flüssig can be used for automatic cleaning of tanks, containers and pipes as well as for bottling. calgonit LZ flüssig can be premixed with concentrated caustic in a storage tank according to the wanted ratio, can be used for all water conditions and effectively suppresses foam when used hot.	canister 21 kg barrel 210 kg

## Disinfection

Product	Description	
<b>calgonit sterizid forte 15*</b>	calgonit sterizid forte 15 is a liquid, acidic disinfectant based on hydrogen peroxide and peracetic acid. It effectively kills bacteria, yeasts and fungi even at low temperatures. calgonit sterizid forte 15 does not foam and is suitable for disinfection tasks. The product is suitable for general surface disinfection, for automatic sanitation of tanks, containers, pipes and equipment as well as for use in water stages of bottle washing machines. Furthermore the product can be used for intermediate disinfection of milking equipment, tube milking machines and for sanitation of animal sheds after cleaning.	canister 5 kg
		canister 10 kg
		canister 30 kg
		barrel 230 kg
<b>calgonit sporex*</b>	calgonit sporex is a liquid, slightly alkaline disinfectant with high content of active chlorine. calgonit sporex is suitable for disinfection of surfaces, tanks, containers, pipe work and hoses, for use in crate washers and warm water stages of bottle washing machines as well as for treatment of cutting boards.	canister 24 kg
		barrel 240 kg
<b>calgonit sporexalin*</b>	calgonit sporexalin is a liquid, oxidizing disinfectant based on hydrogen peroxide. The product does not foam and can be used cold and hot. calgonit sporexalin is suitable for many applications of immersion-, circulation- or spray disinfection of equipment, tanks, containers, pipework and utensils. calgonit sporexalin can also be used hot as an oxidizing additive to boost cleaning of caustic solutions.	canister 25 kg
		barrel 200 kg
<b>calgonit CD-L*</b>	calgonit CD-L is a standardised solution of sodium chlorite to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	canister 25 kg
		barrel 200 kg
<b>calgonit CD-S*</b>	calgonit CD-S is a standardised solution of hydrochloric acid to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	canister 25 kg
		barrel 200 kg

\*Use biocides safely. Always read the label and product information before use.

## Additive

Product	Description	
<b>calgonit AD 817</b>	calgonit AD 817 is an additive for alkaline cleaning processes to prevent hard water scale formation which can cause nozzle blockage. The product is stable against oxidizing agents and therefore especially suitable when used in combination with chlorine dioxide and peracetic based disinfectants. calgonit AD 817 is effective even in hard water and suitable for PET. In pasteurizers calgonit AD 817 prevents hardness deposits and protects cans from blackening.	canister 24 kg barrel 220 kg

## Special products

Product	Description	
<b>calgonit 7120*</b>	calgonit 7120 is a broad spectrum biocide which is effective in a wide range of pH. It can be used to control the growth of bacteria, fungi and algae in water systems, autoclaves and pasteurizers. calgonit 7120 prevents the formation of biofilms and it has good penetration properties. Existing biofilms are destroyed. calgonit 7120 is biodegradable.	canister 30 kg barrel 200 kg
<b>calgonit 7130*</b>	calgonit 7130 is a highly effective combined product for treatment of water cycles and pasteurizers. It is based on hard water stabilizers and a broad spectrum biocide and does not contain aldehydes, surfactants or chlorine donors. calgonit 7130 prevents the formation of biofilms and water scale.	canister 22 kg

\*Use biocides safely. Always read the label and product information before use.

## Special products

Product	Description	
<b>calgonit MC 942</b>	calgonit MC 942 is a buffered mildly alkaline cleaning agent for reverse osmosis, micro - and ultra filtration equipment. The product contains organic sequestrants. calgonit MC 942 is a highly concentrated product and is recommended to use in combination with calgonit MC 970 to maximize the cleaning performance.	canister 30 kg barrel 260 kg
<b>calgonit MC 943</b>	calgonit MC 943 is a moderate alkaline cleaning agent for micro-, ultra- and nano filtration equipment as well as reverse osmosis systems. The product contains chelating agents and surface active ingredients. calgonit MC 943 is a high concentrated product with an excellent cleaning performance.	canister 27 kg barrel 230 kg
<b>calgonit MC 970</b>	calgonit MC 970 is very special formulated cleaning agent with a high content of proteolytic enzymes. It is suitable for cleaning of reverse osmosis-, micro-, ultra- and nano filtration equipment normally together with a slightly alkaline product like calgonit MC 942.	canister 10,1 kg
<b>calgonit MC 946</b>	calgonit MC 946 is a caustic, liquid detergent with a high content of organic chelates and cleaning active surfactants. The product has been developed especially for cleaning of high pH-resistant membranes in micro- and ultrafiltration plants. calgonit MC 946 removes organic and inorganic soils and has superior fat solving properties.	barrel 270 kg
<b>calgonit MC 952</b>	calgonit MC 952 is an especially formulated acidic detergent based on a combination of mineral acids. The product removes water scale as well as milkstone and is suitable for cleaning of reverse osmosis systems and micro-, ultra-, nano filtration equipment.	canister 27 kg
<b>calgonit MC 953</b>	calgonit MC 953 is a liquid acidic cleaning agent for micro-, ultra-, nano filtration equipment as well as reverse osmosis systems. Due to its special combination of organic acids and surfactants calgonit MC 953 removes thoroughly mineral deposits and proteins. Provided a sufficient exposure time in the installation the mildly acidic configuration and specific combination of acids can be used to preserve the membranes.	canister 24 kg

## Alkaline cleaner

Product	Description	
<b>calgonit R flüssig</b>	calgonit R flüssig is a concentrated caustic detergent. The product doesn't foam, is easy to dose by conductivity and is suitable for circulation and spray cleaning of tanks, pasteurisers, pipe work, brew kettles, whirlpools and centrifuges as well as for crate washing. calgonit R flüssig can be used cold as well as hot. For enhancing cleaning performance calgonit R flüssig can be combined with Hypochlorite (calgonit AD 860).	canister 30 kg barrel 280 kg
<b>calgonit R flüssig spezial</b>	calgonit R flüssig spezial is a high caustic liquid detergent suitable for the food and beverage industry as well as the milk industry. It is stabilized for high water hardness and can easily be dosed by conductivity. Even if it is applied for spray cleaning the product doesn't foam. For enhancing cleaning performance calgonit R flüssig spezial can be combined with Hypochlorite. calgonit R flüssig spezial is suitable for cleaning of brew vessels, whirlpools, pasteurizers, tanks, containers, pipe work, centrifuges and crate washing.	canister 28 kg barrel 290 kg
<b>calgonit RT spezial</b>	calgonit RT spezial is a highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	canister 30 kg barrel 290 kg

## Acidic cleaner

Product	Description	
<b>calgonit jalu sauer plus</b>	calgonit jalu sauer plus is a liquid, strongly acidic detergent based on nitric acid. calgonit jalu sauer plus is a powerful descalant and has good wetting, cleaning and emulsifying properties due to special surfactants. Special inhibitors in the product prevent formation of nitrous gas and reduce corrosion attack on plastic gaskets. calgonit jalu sauer plus can be used cold and hot and is easily dosed by conductivity. The product is low foaming when used by spray and is easily rinsed off. calgonit jalu sauer plus is suitable for automatic cleaning of pasteurizers , tanks, milk collecting trucks, centrifuges and pipes.	canister 29 kg barrel 265 kg
<b>calgonit SMO</b>	calgonit SMO is a liquid, acidic single phase detergent based on organic acids and specific surfactants. The product does not contain phosphates or nitrates, is low foaming and can be dosed by means of conductivity. calgonit SMO shows an excellent cleaning effect on organic and inorganic soils , is re-useable and helps to ensure perfect hygienic conditions. calgonit SMO is especially suitable for automatic cleaning milk collecting vessels and raw milk tanks as well as for cheese mould cleaning.	barrel 230 kg



# Cheese mould



## Acidic cleaner

Product	Description	
<b>calgonit jalu sauer plus</b>	calgonit jalu sauer plus is a liquid, strongly acidic detergent based on nitric acid. calgonit jalu sauer plus is a powerful descalant and has good wetting, cleaning and emulsifying properties due to special surfactants. Special inhibitors in the product prevent formation of nitrous gas and reduce corrosion attack on plastic gaskets. calgonit jalu sauer plus can be used cold and hot and is easily dosed by conductivity. The product is low foaming when used by spray and is easily rinsed off. calgonit jalu sauer plus is suitable for automatic cleaning of pasteurizers , tanks, milk collecting trucks, centrifuges and pipes.	canister 29 kg barrel 265 kg
<b>calgonit SMO</b>	calgonit SMO is a liquid, acidic single phase detergent based on organic acids and specific surfactants. The product does not contain phosphates or nitrates, is low foaming and can be dosed by means of conductivity. calgonit SMO shows an excellent cleaning effect on organic and inorganic soils , is re-useable and helps to ensure perfect hygienic conditions. calgonit SMO is especially suitable for automatic cleaning milk collecting vessels and raw milk tanks as well as for cheese mould cleaning.	barrel 230 kg
<b>calgonit SN 542</b>	calgonit SN 542 is an strongly acidic detergent. The product has excellent wetting abilities and is able to solve fat, protein as well as inorganic deposits. calgonit SN 542 is suitable for CIP cleaning of containers, tanks , pipe work and for spray application in crate washing machines. It is also suitable for manual cleaning of surfaces made of stainless steel. calgonit SN 542 is low foaming above 30°C, reusable and easily rinsed off.	canister 26 kg barrel 240 kg

## Alkaline foam cleaner

Product	Description	
<b>calgonit AF 108</b>	calgonit AF 108 is a mildly alkaline general purpose cleaner. The product is suitable for manual, foam or soak applications and effectively removes fat, oil and protein deposits. calgonit AF 108 contains organic chelates to bind water hardness and is non corrosive against most materials. Due to its special composition the product is easily rinsed off and does not form white deposits often found with silicated detergents.	canister 11 kg canister 22 kg barrel 200 kg
<b>calgonit AF 106</b>	calgonit AF 106 is a mildly alkaline general purpose cleaner designed for use in the food industry. The product is suitable for manual or foam applications and effectively removes fat, oil and protein deposits. calgonit AF 106 is non corrosive, forms a stable foam and is easily rinsed off.	canister 22 kg

## Special products

Product	Description	
<b>calgonit AN 190</b>	calgonit AN 190 is a liquid, mildly alkaline detergent specifically developed for cleaning of filling and packing machines. The product can be used manually or for spray cleaning at temperatures above 40°C. calgonit AN 190 is non corrosive and low foaming. The product is based on biodegradable chelates and contains surfactants with excellent fat solving and wetting properties.	canister 23 kg barrel 200 kg

# Crate washing



## Alkaline cleaner

Product	Description	
<b>calgonit RT spezial</b>	calgonit RT spezial is a highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	canister 30 kg barrel 290 kg

## Special products

Product	Description	
<b>calgonit AN 195</b>	calgonit AN 195 has specifically been developed for the cleaning of plastic surfaces. calgonit AN 195 is especially suitable for the automatic cleaning of plastic crates and is not foaming when used at temperatures above 40°C. calgonit AN 195 accelerates drainage, gives surfaces a long-term antistatic effect and reduces re-soiling. calgonit AN 195 may be combined with other alkaline detergents for spray application and can be used for manual cleaning of plastic surfaces. calgonit AN 195 can be added to the rinse water of plastic crate washing processes to intensify the antistatic effect, provided there is no direct food contact.	canister 22 kg barrel 210 kg

# Overview Products/Fields of applic

	alkaline/neutral cleaning									Additive							acid cleaning			Disinfection								
	calgonit BR-F	calgonit R flüssig	calgonit R flüssig spezial	calgonit RT spezial	calgonit 6120	calgonit CN 353	calgonit 6010	calgonit AR	calgonit HDN	calgonit LPR	calgonit Schaumbremse/SB neu	calgonit GL extra	calgonit LA flüssig	calgonit LAO	calgonit LZ flüssig	calgonit AD 817	calgonit WST neu	calgonit Jalu sauer plus	calgonit SMO	calgonit SN 542	calgonit A	calgonit sterilizid forte 15	calgonit sporex	calgonit CD-L	calgonit CD-S	calgonit sporexalin	calgonit DS 685	calgonit DS 683
	highly alkaline detergent for butter making machines	highly alkaline cleaner	high caustic detergent	high caustic detergent	liquid alkaline detergent with active chlorine	alkaline detergent with active chlorine	alkaline cleaner with active chlorine	neutral all purpose cleaner, high foaming	high pressure and pre-spray cleaner	mildly alkaline all-purpose cleaner	defoamer for alkaline cleaning solutions	additive for caustic cleaning solutions	caustic Soda Additive	cleaning booster with active oxygen	cleaning booster	additive for hardness stabilization and corrosion inhibition	additive for scale prevention	strongly acidic detergent for CIP cleaning	acidic detergent based on organic acids	acidic detergent based on phosphoric/nitric acid	acidic detergent based on phosphoric acid	disinfectant based on peracetic acid	disinfectant based on active chlorine	alkaline component for production of chlorine dioxide	acidic component for production of chlorine dioxide	disinfectant based on active oxygen	alkylamine based Disinfectant	Desinfektionsmittel auf Aminbasis
CIP-Cleaning	●	●	●	●		●						●	●	●			●	●	●									
Buttermaking machine					●	●																						
Disinfection																						●	●	●	●	●	●	
Bottle washing machines																												
Lye											●	●	●															
Water zone																●	●					●						
Disinfection																							●	●	●	●		
headroom disinfection																											●	●
Conveyor belts																												
Surface cleaning								●	●	●																		
UHT-Plant		●	●	●											●													
Wassertreatment																●							●	●	●	●	●	
Membrane plant																												
Pick-up cars		●	●	●														●	●	●								
Cheese mould																		●	●	●								
Filling systems																												
Crate washing				●																								

# ation in the dairy industry



		foam cleaning		belt	special cleaner/ products			
		alkaline	acid					
		liquid alcoholic disinfectant						
		acidic foam disinfectant based on peracetic acid						
		neutral, liquid sanitizer concentrate						
		mild alkaline foam and general purpose cleaner						
		mildly alkaline foam and general purpose cleaner						
		alkaline foam detergent-sanitizer with active chlorine						
		alkaline foam cleaner with active chlorine						
		alkaline foam detergent with active chlorine, Al-safe						
		highly alkaline foam cleaner						
		alkaline Foam Cleaner						
		alkaline foam cleaner						
		acidic foam cleaner						
		acidic Detergent						
		acidic foam cleaner						
		acidic foam cleaner based on citric acid						
		silicon based conveyor lubricant						
		synthetic chain lubricant						
		buffered mildly alkaline membrane cleaner						
		moderate alkaline membrane cleaner						
		enzymatic cleaner for membranes						
		highly alkaline membrane detergent						
		acidic membrane detergent						
		acidic membrane cleaner and membrane preservative						
		mildly alkaline cleaner, low foam						
		special cleaner for plastic surfaces						
		biocide for water treatment						
		combined biocidal product for water treatment						
								CIP-Cleaning
								Buttermaking machine
								Disinfection
								Bottle washing machines
								Lye
								Water zone
								Disinfection
								headroom disinfection
								Conveyor belts
								Surface cleaning
								UHT-Plant
								Wassertreatment
								Membrane plant
								Pick-up cars
								Cheese mould
								Filling systems
								Crate washing



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# Certification



## ZERTIFIKAT

Hiermit wird bescheinigt, dass

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Straße 16a  
 68526 Ladenburg  
 Deutschland

mit dem im Anhang gelisteten Standorten

ein **Qualitäts- und Umweltmanagementsystem** eingeführt hat und anwendet.

Geltungsbereich:  
 Entwicklung, Herstellung und Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich und die Landwirtschaft; calgonit Service Paket mit Hygieneauditing, Hygienekonzepten einschließlich HACCP und Kundens Schulung

Durch ein Audit, dokumentiert in einem Bericht, wurde der Nachweis erbracht, dass das Managementsystem die Forderungen der folgenden Regelwerke erfüllt:

**ISO 9001 : 2008**  
**ISO 14001 : 2004 + Cor 1 : 2009**

Zertifikat-Registrier-Nr. 001575 QM08 UM  
 Revisionsdatum 2016-09-29  
 Gültig ab 2015-11-02  
 Gültig bis 2018-09-14  
 Zertifizierungsdatum 2015-11-02

Deutsches  
 Akkreditungsstelle  
 für die ISO 9001

**DQS GmbH**

*Frank Gracfen*  
 Frank Gracfen  
 Geschäftsführer

Akkreditierte Stelle: DQS GmbH, August-Schwarz-Straße 21, 69433 Frankfurt am Main

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## Anhang zum Zertifikat

Registrier-Nr. 001575 QM08 UM

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Straße 16a  
 68526 Ladenburg  
 Deutschland

Standort	Geltungsbereich
<b>391797</b> Calvatis GmbH Kaiser-Josef-Platz 41 4600 Wels Österreich	Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich und die Landwirtschaft; calgonit Service Paket mit Hygieneauditing, Hygienekonzepten einschließlich HACCP und Kundens Schulung
<b>506588</b> Calvatis GmbH Neu Amerika 4 6900 Bregenz Österreich	Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich und die Landwirtschaft; calgonit Service Paket mit Hygieneauditing, Hygienekonzepten einschließlich HACCP und Kundens Schulung
<b>512225</b> Calvatis AG Müllersrasse 3 882 Altendorf Schweiz	Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich und die Landwirtschaft; calgonit Service Paket mit Hygieneauditing, Hygienekonzepten einschließlich HACCP und Kundens Schulung

Dieser Anhang (Stand: 2016-09-29) ist nur gültig in Verbindung mit dem oben genannten Zertifikat.

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THE INTERNATIONAL CERTIFICATION NETWORK

## CERTIFICATE

IQNet and  
**DQS GmbH** Deutsche Gesellschaft zur Zertifizierung von Managementsystemen  
 hereby certify that the company

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Straße 16a  
 68526 Ladenburg  
 Germany

with the organizational units/sites as listed in the annex  
 has implemented and maintains a  
**Quality and Environmental Management System.**

Scope:  
 Development, production and sales of cleaners and disinfectants for the industrial sector and agriculture; calgonit Service Package with hygiene audit, hygiene concepts included HACCP and customer training

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standards:

**ISO 9001 : 2008**  
**ISO 14001 : 2004 + Cor 1 : 2009**

Valid from 2015-11-02  
 Valid until 2018-09-14  
 Date of certification 2015-11-02

Registration number: DE-001575 QM08 UM

Michael Drechsel  
 President of IQNet

Frank Gracfen  
 Managing Director of DQS GmbH

IQNet partners:  
 AENOR Spain AFNOR Certification France AB-Veritas International Belgium APCER Portugal CCC Cyprus  
 CSD ISO/IEC China CSM China CQS Czech Republic DQS Holding GmbH Germany  
 FCAV Brazil FONDOPRIMA Venezuela ICONTEC Colombia IMCQ Mexico Inspecta Certification Finland INTECO Costa Rica  
 IRABR Argentina ICA Japan KPS Korea METEC Greece METZ Hungary NIRA AS Norway NSAI Ireland PCBC Poland  
 Quality Australia RR Russia SISE Mexico SII Israel SIG Slovenia SIRIM QAS International Malaysia  
 SGS Certification SRAC Romania TEST DE Bielefeld Germany TSE Turkey VUKS Serbia  
 IQNet is represented in the USA by AFNOR Certification, CSD, DQS Holding GmbH and NSAI Inc.  
 \* The statement is directly linked to the Client Partner's original certificate and shall not be used as a stand-alone document.  
 \*\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

Industrie Service

TÜV SÜD Industrie Service GmbH  
 bescheinigt hiermit, dass das Unternehmen

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Str. 2  
 68526 Ladenburg

**Fachbetrieb nach WHG**

für Anlagen zum Lagern, Abfüllen, Umschlagen und Herstellen, Behalten, Verwenden mit wassergefährdenden Flüssigkeiten ist.

Dieses Zertifikat gilt für folgende Tätigkeiten:

- Einbauen
- Auditten
- Instand halten und Instand setzen
- Reinigen

Anlage zum Überwachungsvertrag Nr.: 970327/01  
 Das Zertifikat ist gültig bis 03/2017

TÜV SÜD Industrie Service GmbH  
 Niederlassung Mannheim  
 Abteilung Dampf und Drucktechnik  
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Mannheim, den 15.07.2015  
 Sachverständigenorganisation  
 nach §22 VwMSt  
 Der Örtliche Leiter

*Henrik Faul*  
 Henrik Faul

TUV

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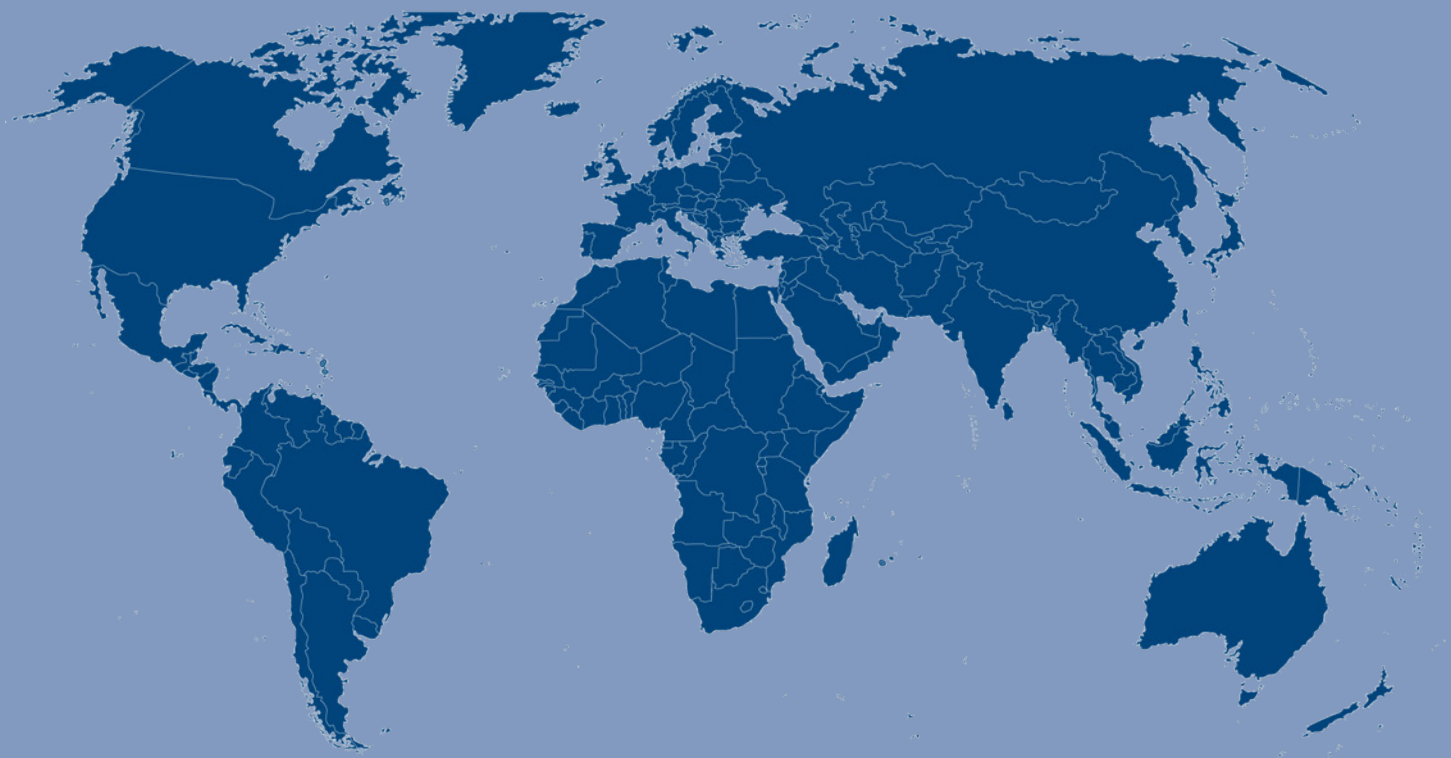
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Stand: August 2017